

INDUSTRIAL COMPONENT DATA

NJ501-1320 NX010015G NJ5011320 OMRON NJ501 Machine Controller + SQL Client 16 Axes

Brand: OMRON | Manufacturer Part Number: NJ501-1320



Manufacturer	OMRON
MPN / Reference	NJ501-1320
Catalog number	NJ5011320
Category	PLC CPU-module
Minimum order	1 Pcs
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Product Overview

NJ501 Machine Controller + SQL Client 16 Axes

Sysmac NJ5 CPU with Database Connectivity, 20MB memory, built-in EtherCAT (16 servo axes, in total 192 EtherCAT nodes) and EtherNet/IP

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path OMRON > Integrated Automation > Machine Controllers NJ5

Additional Product Information

Controller functionalityDB connection, Motion control, Sequence controlMax. number of synchronous axes16Max. number of axes (incl. virtual)16Max. number of robots0Primary task cycle time0.5 msProgram memory20 MBVariables memory6 MBCommunication port(s)EtherCAT Master, EtherNet/IP, USBCommunication option(s)CAN, CompoNet Master, DeviceNet Master, DeviceNet Slave, EtherCAT Slave, MODBUS Master, MODBUS Slave, PROFIBUS DP Master, PROFIBUS DP Slave, PROFINET Master, Serial RS-232C, Serial RS-422, Serial RS-485Max. number of remote I/O nodes192I/O systemCJ I/O BusMax. number of expansion units40Product Height (unpacked)96 mmProduct Width (unpacked)90 mmProduct Depth (unpacked)150 mmProduct Weight (unpacked)550 g
ETIM for 375708 PLC's (EC000236)

Feature Name

Feature Value

Performance level according to EN ISO 13849-1 (EF007399)

Level a

Model (EF000010)

Modular

SIL according to IEC 61508 (EF009889)

None

Voltage type (supply voltage) (EF002991)

DC

Explosion safety category for gas (EF003997)

None

Explosion safety category for dust (EF003998)

None

Type of memory (EF002996)

FLASH

Radio standard UMTS (EF008525)

No

Supporting protocol for EtherCAT (EF017564)

Yes

Appendant operation agent (Ex ib) (EF004142)

No

Supporting protocol for other bus systems (EF003062)

Yes

Supporting protocol for SERCOS (EF006657)

No

IO link master (EF007298)

No

Rack-assembly possible (EF007018)

No

Supporting protocol for KNX (EF003055)

No

Supporting protocol for LON (EF003017)

No

Supporting protocol for SUCONET...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / NJ501-1320 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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